INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/017478

			2001,021110
	TION OF SUBJECT MATTER G01N15/08, B01D46/42, F01N3/	00, F01N3/02	
According to Interna	ational Patent Classification (IPC) or to both national	al classification and IPC	
B. FIELDS SEAR	CHED		
	ation searched (classification system followed by c GO1N15/08, B01D46/42, F01N3/		
Jitsuyo Sh Kokai Jits	uyo Shinan Koho 1971–2005 Ji	oroku Jitsuyo Shinan Koho itsuyo Shinan Toroku Koho	1994 - 2005 1996-2005
Electronic data base	consulted during the international search (name of	data base and, where practicable, search to	erms used)
C. DOCUMENTS	CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where ap		Relevant to claim No.
2 E	JP 3372097 B2 (Japan Tobacco 22 November, 2002 (22.11.02), Par. Nos. [0006] to [0010]; E (Family: none) 5	,	1-5
C C F r	JP 61-14984 A (Societe Natid'Exploitation Industrielle d'Exploitation Industrielle d'Eabacs et Allumettes), J8 July, 1986 (08.07.86), J8 Gage 6, upper left column, li	des ine 9 to upper	1-5
3 F	TP 09-085386 A (Daido Steel Bl March, 1997 (31.03.97), Par. No. [0040]; Fig. 4 Family: none)	Co., Ltd.),	4
	ents are listed in the continuation of Box C.	See patent family annex.	
"A" document defining to be of particular to be arlier application filing date	Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance earlier application or patent but published on or after the international filing date "X" date and not in conflict with the application but cited to underst the principle or theory underlying the invention document of particular relevance; the claimed invention cannot considered novel or cannot be considered to involve an invention step when the document is taken alone		ition but cited to understand avention lained invention cannot be
cited to establish special reason (as "O" document referrir document publish priority date clain	a the publication date of another citation or other specified) ng to an oral disclosure, use, exhibition or other means need prior to the international filing date but later than the need	"Y" document of particular relevance; the considered to involve an inventive sombined with one or more other such being obvious to a person skilled in the document member of the same patent fa	tep when the document is documents, such combination art
25 Januar	npletion of the international search y, 2005 (25.01.05)	Date of mailing of the international seam 15 February, 2005 (
Name and mailing ad Japanese	dress of the ISA/ Patent Office	Authorized officer	
Facsimile No. Form PCT/ISA/210 (se	econd sheet) (January 2004)	Telephone No.	

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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
A	JP 07-037932 B2 (Japan Tobacco Inc.), 26 April, 1995 (26.04.95), Column 3, lines 5 to 43; Figs. 8, 9 & US 4912964 A	5
Α	JP 10-090160 A (Shinagawa Refractories Co., Ltd.), 10 April, 1998 (10.04.98), Par. No. [0016]; Fig. 1 (Family: none)	5 .
A	3294589 JP 3372097 B2 (Shibata Kagaku Kabushiki Kaisha), 05 April, 2002 (05.04.02), Par. Nos. [0028] to [0034]; Fig. 1 (Family: none)	1-5
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